

IN THE CLAIMS:

1 1. (Twice Amended) A deflection yoke of a bend-up-less type comprising a saddle-
2 shaped horizontal deflection coil, a saddle-shaped vertical deflection coil, an insulating frame
3 and a correction coil, the saddle-shaped horizontal deflection coil and the saddle-shaped vertical
4 deflection coil being provided along, respectively, an inner and an outer surface of the insulating
5 frame which insulates the deflection coils, and the correction coil being provided above the outer
6 surface of an electron gun side bend portion of the deflection coils, wherein

7 a setting member is provided integrally formed in a fixed positional relation with
8 respect to the insulating frame on the electron gun side and behind the bend portion of the
9 deflection coils, the setting member being a plate whose wall surface, that faces a screen, is flat,

10 a rear end of the electron gun side bend portion of the vertical deflection coil is
11 positioned adjacent to the screen-facing wall surface of the setting member, and

12 ~~the correction coil is set at a fixed position by~~ a positioning fixing member, ~~which~~
13 ~~is provided with~~ for setting the correction coil at a fixed position, the positioning fixing member
14 supports the correction coil and is ~~structured to be~~ provided with a mounting member that is
15 freely detachable in relation to the setting member and adjustably movable along the wall surface
16 of the flat plate to a desired corrective position, in front of a- the wall surface of the setting
17 member which faces a- the screen and above the outer surface of the electron gun side bend
18 portion.

1 2-3. (Previously Cancelled)

1 4. (Previously Amended) The deflection member yoke of Claim 1 wherein
2 the correction coil has (a) a core whose leg portion points in a direction toward
3 the electron gun side bend portion of the deflection coil, and (b) a bobbin which covers the core
4 and is conductive wire wound therearound; and
5 the positioning fixing member is set at a substantially fixed position in relation to
6 the core.

1 5. (Previously Amended) The deflection yoke of Claim 4 wherein
2 the setting member has a notch, and
3 the positioning fixing member has a claw portion which is interlocked with the
4 notch.

1 6. (Original) The deflection yoke of Claim 5 wherein
2 the setting member has a plate form,
3 the notch is provided on an edge of the setting member, and
4 a portion of the setting member in which the notch is provided is formed so as to
5 have a narrower width than an electron gun side back vicinity of the electron gun side bend
6 portion.

1 7. (Previously Amended) The deflection yoke of Claim 4 wherein
2 the positioning fixing member has a protruding portion which is inserted in an
3 insertion aperture provided in the setting member.

1 8. (Previously Amended) The deflection yoke of Claim 4 wherein
2 the positioning fixing member has a fitting portion which is fitted into a slot
3 provided in the setting member.

1 9. (Previously Amended) The deflection yoke of Claim 4 wherein
2 a flange portion is provided at both ends of the bobbin, an edge of each flange
3 portion contacting the setting member.

1 10. (Original) The deflection yoke of Claim 4 wherein
2 the core is a U-shaped core, both of whose leg portions point in the direction
3 toward the electron gun side bend portion of the deflection coil, and the bobbin covers
4 substantially a center portion of the U-shaped core.

1 11. (Original) The deflection yoke of Claim 4 wherein
2 the core is an E-shaped core, each of whose leg portions points in the direction
3 toward the electron gun side bend portion of the deflection coil, and one bobbin covers each of
4 the leg portions of the E-shaped core.

1 12. (Original) The deflection yoke of Claim 4, wherein
2 the core includes a U-shaped core both of whose leg portions point in the
3 direction toward the electron gun side bend portion of the deflection coil, and an I-shaped core
4 which has one end pointing towards the electron gun side bend portion direction of the deflection
5 coil; and one bobbin covers each of substantially a center portion of the U-shaped core, and the
6 I-shaped core.

1 13-14. (Previously Cancelled)

1 15. (Twice Amended) A color picture tube having (a) an outer envelope composed of
2 a front panel formed with a phosphor screen surface on an inner surface, and a funnel, (b) an
3 electron gun provided in a neck portion of the funnel, and (c) a deflection yoke mounted on an
4 outer surface of the funnel, wherein

5 the deflection yoke of a bend-up-less type comprising a saddle-shaped horizontal
6 deflection coil, a saddle-shaped vertical deflection coil, an insulating frame, and a correction
7 coil, the saddle-shaped horizontal deflection coil and the saddle-shaped vertical deflection coil
8 being provided along, respectively, an inner and an outer surface of the insulating frame which
9 insulates the deflection coils, and the correction coil being provided above the outer surface of an
10 electron gun side bend portion of the deflection coils, wherein

11 a setting member is provided integrally formed in a fixed positional relation with
12 respect to the insulating frame on the electron gun side and behind the bend portion of the
13 deflection coils, the setting member is a plate whose wall surface, that faces the front panel, is
14 flat;

15 a rear end of the electron gun side bend portion of the vertical deflection coil is
16 positioned adjacent to the front panel facing wall surface of the setting member; and

17 ~~the correction coil is set at a fixed position by a positioning fixing member, which~~
18 ~~is provided with for setting the correction coil at a position to provide a corrective magnetic~~
19 ~~field, the positioning fixing member supports the correction coil and is structured to be provided~~
20 ~~with a mounting member that is freely detachable in relation to the setting member and~~
21 ~~adjustably movable along the wall surface of the flat plate to a desired corrective position, in~~

22 front of ~~a-~~ the wall surface of the setting member which faces the ~~screen~~ front panel and above
23 the outer surface of the electron gun side bend portion.

1 16-17. (Previously Cancelled)

1 18. (Previously Amended) The color picture tube of Claim 15 wherein
2 the correction coil has (a) a core whose leg portion points in a direction toward
3 the electron gun side bend portion of the deflection coil, (b) a bobbin which covers the core and
4 is conductive wire wound therearound; and the positioning fixing member is set at a substantially
5 fixed position in relation to the core.

1 19-20. (Previously Cancelled)

1 21. (Previously Added) The deflection yoke of Claim 1 wherein
2 the wall surface of the setting member which faces the screen is flat.

1 22. (Previously Added) The deflection yoke of Claim 11 wherein
2 the setting member has a flat plate form, and is integrally formed with the
3 insulating frame so as to be upright from an electron gun side end of the insulating frame.

1 23. (Previously Added) The deflection yoke of Claim 1 wherein
2 the positioning fixing member is structured so as to be positioned and fixed to the
3 setting member by gripping the perimeter of the setting member.

1 24. (Previously Amended) The deflection yoke of Claim 23 wherein
2 the positioning fixing member has a structure in which two opposing rod
3 members extend from the correction coil substantially horizontally in opposite directions, a tip of

4 each rod member is bent around the perimeter of the setting member, and an inner surface of the
5 bend hooks to the perimeter of the setting member.

1 25. (Previously Added) The deflection yoke of Claim 24 wherein
2 a base end of each of the opposing rod members is secured to an end surface of
3 the core of the correction coil, and a tip of each of the opposing rod members extends along a
4 core rod direction.

1 26. (Previously Added) The deflection yoke of Claim 22, wherein
2 an aperture is formed in the wall surface of the setting member which faces the
3 screen,

4 a latch protrusion which latches into the aperture is provided on the positioning
5 fixing member; and

6 the correction coil is positioned and fixed by inserting the latch protrusion into the
7 aperture.

1 27. (Twice Amended) A method of manufacturing for a deflection yoke of a bend-
2 up-less type comprising a saddle-shaped horizontal deflection coil, a saddle-shaped vertical
3 deflection coil, an insulating frame, and a correction coil, the saddle-shaped horizontal deflection
4 coil and the saddle-shaped vertical deflection coil provided along, respectively, an inner and an
5 outer surface of the insulating frame which insulates the deflection coils, and the correction coil
6 being provided above the outer surface of an electron gun side bend portion of the deflection
7 coils, the method for assembling the deflection yoke comprising the steps of
8 a step for preparing the insulating frame which was integrally formed with a
9 setting member; being a plate whose wall surface, that faces a screen, is flat;

10 a step for providing the horizontal deflection coil on the inner surface of the
11 insulating frame,

12 a step for providing the vertical deflection coil on the outer surface of the
13 insulating frame so that a rear end of the electron gun side bend portion of the vertical deflection
14 coil is positioned adjacent to the screen-facing wall surface of the setting member, and

15 a step for setting, after setting the vertical deflection coil, the correction coil to the
16 wall surface of the setting member which faces a- the screen, and above the outer surface of the
17 electron gun side bend portion, by the adjustably moving a positioning fixing member along the
18 wall surface of the flat plate to a desired corrective position.

1 28. (Previously Added) The method of Claim 27 wherein,

2 in the step for setting the correction coil, the correction coil is placed and set at a
3 predetermined distance from the walls surface of the setting member which faces the screen.